DESYATCHIKOV, B.A., otv.red.; KAGANOVSKIY, A.G., red.; SYRKIN-SHKLOVSKIY, L. Ye., red.

[Problems in the economics of the cotton-cleaning industry in Uzbekistan] Voprosy ekonomiki khlopkoochistitel'noi promyshlennosti Uzbekistans. Tashkent, Akad.nauk Uzbekskoi SSR. In-t ekonomiki, 1957. 320 p. (MIRA 12:11) (Uzbekistan-Cotton gins and ginning-Costs)

SYRKIN-SHKLOVSKIY M. Ye.

AUTHOR:

Sergeyey, A.S., Docent

105-58-5-26/28

TITLE:

Dissertations (Dissertatsii)

PERIODICAL:

Elektrichestvo, 1958, Nr 5, pp. 93-93 (USSR)

ABSTRACT:

For the Degree of Candidate of Technical Sciences:

At the Yerevan Polytechnic Institute imeni Marks (Yerevanskiy

politekhnicheskiy institut im. Marksa):

A.Kh.Saradzhev on January 9, 1946 "Supplies for the Requirements of Automatized Hydraulic Power Plants". Official opponents: Professor A.Ya.Ter-Khachaturov and N.V.Gabashvili, Docent.

Candidate of Technical Sciences.

At the Polytechnic Institute of Belorussia imeni Stalin (Belorusskiy politekhnicheskiy institut im. Stalina):

Ya. Yu. Slepyan on March 27, 1953 "Drying of Power Transformers

by the Method of Losses in the Case of Electric Networks in Rural Districts". Official opponents: L.Ye.Ebin, Professor, Doctor of Technical Sciences and A.I.Sobolev, Docent, Candidate of Tech-

nical Sciences.

V.P.Krasin on May 29, 1953 "The Automatic Re-Establishment of

Card 1/4

Connection in Electric Networks and Plants of Mineral Oil Fields

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654310010-0"

Dissertations

105-58-5-26/28

ly 2-6 kV voltage". Official opponents: I.I.Greben', Professor, Doctor of Tachnical Sciences and A.I.Rutskiy, Docent, Cardidate of Technical Sciences.

At the Institute for Power Engineering AS Uzbek SSR (Institut

energetiki AN Uzbekskoy SSR):

M. Ye. Syrkin-Shklovskiy on November 5, 1947 "Some Problems Connected with the Theory of Resonance in Multiphase Circuits".

Official opponents: N.N. Snchedrin: Professor, Doctor of Technical Sciences and G.R. Rakhimov, Docent, Candidate of Technical Sciences.

A.A. Inogamov on December 29: 1949 "The Investigation of Asymmetric Modes of Operation of Three-Phase Transformers". Official opponents: N.N. Shchedrin, Professor, Doctor of Technical Sciences and M.Z. Khamudkhanov, Docent, Candidate of Technical Sciences.

I.A. Reyneke on December 29: 1949 "Investigation of the Basic Properties of Independent Invertors in Connection with the Problems of D.C. Transformation". Official opponents: V.P. Zakharov, Doctor of Technical Sciences and Rakhimov, G.R., Docent, Candidate of Technical Sciences.

Card 2/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654310010-0"

Dissertations

105-58-5-26/28

E.G.Faynshteyn on May 6, 1950 "Taking Account of the Influence Exercised by Rectification Load when Calculating Asymmetry Modes of Operations in Energy Systems". Official opponents: V.F. Zakharov, Professor, Doctor of Technical Sciences and G.R.Rakhimov, Docent, Candidate of Technical Sciences. S.M. Timofeyev on February 21, 1953 "Investigation of an Electric Device for the Automation Control of Rotational Speed in Water Turbines with a Sensitive Element Operation According to The Electrodynamical Principle". Official opponents: N.N.Shchedrin, Professor, Doctor of Technical Sciences and M.Z.Khamudkhanov, Docent, Candidate of Technical Sciences. L.M.Rotenburg on February 21, 1953 "Experimental Investigation of Steel Lines and the Analytical Calculation of Short-Circuit Currents in Complicated Networks with Steel Lines". Official opponents: N.N. Shchedrin, Professor, Doctor of Technical Sciences and G.R.Rakhimov, Docent, Candidate of Technical Sciences.

Card 3/4

Dissertations

105-58-5-26/28

N.A.Troitskiy on September 26, 1953 "The Basic Properties of an Invertor with Additional Controlling Electromotive Force and Open Transformer Triangle". Official opponents: V.P.Zakharov, Professor, Doctor of Technical Sciences, M.Z.Khamudkhanov, Docent, Candidate of Technical Sciences and I.A.Reyneke, Docent, Candidate of Technical Sciences.

AVAILABLE:

Library of Congress

1. Scientific reports--USSR 2. Power plants--Equipment 3. Electrical
networks--USSR 4. Electrical equipment--Properties

Card 4/4

GRUDEV, D.I., doktor sel'skokhez. rauk; KOTOV, P.Ya., nauchnyy sotrudnik; ROHOUKUSEIY, M.S., nauchnyy sotrudnik; SYRKIM.SHKIOVSKIY, Ye A., nauchnyy sotrudnik; UNANOV, G.S., nauchnyy sotrudnik

Use of the tissue preparation VNIIcP-3 in the fattening of swines. Trudy VNIIMP no.15:13-19 '63. (MIRA 17:5)

PLYATSKOVSKIY, O.A., kand.tekhn.nauk; LIVSHITS, A.S., kand.tekhn.nauk; Prinimali uchastiye: AGAYEV, Kh.A.; EL BERT, S.M.; BRAYLOVSKÍY, V.P.; SYRKINA, A.F.; ORLOV, S.T.

Selection of wear resistant steels for mandrels of continuous and three-roll pipe mills. Biul.nauch.-tekh.inform.VNITI no.4/5:51-61 (MIRA 15:1)

*58.

	Treatment of dysentery with synthomycin. Klin. med., Moskva 30 no.3:75-77 Har 1952. (CLEL 22:2)
	1. Tashkent.
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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654310010-0"

37-39 S '53.

SHEVELVA, A.P., glavnyy vrach; SYRKINA, D.G.

Source of dysentery infection of infants. Zhur.mikrobiol.epid.i immun. no.9:

1. Tashkentskaya gorodskaya infektsionnaya bol'nitsa. (Dysentery)

(MLRA 6:11)

SYRKINA, D.G. (Tashkent)

Effect of furacillin on the rate of healing of the mucous membranes of the large intestines in dysentery. Klin.med. 34 no.4:90 Ap '56.

(MIRA 10:1)

1. Iz 5-y Tashkentskoy infektsionnoy bol'nitsy.

(FURALDEHYDE) (DYSENTERY) (MOCOUS MEMBRANE)

SYRKINA, G. YE.

USSR/Medicine - Shock

Medicine - Tissue, Respiration

Nov/Dec 1947

"The Question of the Amount of Oxygen Consumed by Tissues Furing the Early Stages of Shock," A. M. Charnyy, P. Ye. Syrkina, G. Ye. Syrkina, S. E. Krasovitskaya, Leb Fathol Physician, Cent Inst for Improvement of Physicians, 6 pp

"Arkhiv Fatolog" Ro 6

Studies condected to determine three main points: 1) dynamics of oxygen and carbonic acid in subcutaneous gas bubbles in normal animals, 2) dynamics of oxygen and carbonic acid during early stages of shock, and 3) amount of oxygen consumed by tissues during early stages of shock, following application of oxygen-poor mixture. Speed of diffusion of gas bubbles injected subcutaneously determined during various stages of shock. Submitted, 23 Nov 1947. Deputy of baboratory: Prof A. M. Charnyy. Director of Institute: V. F. Lebedova.

PA 53T68

ARDAYEVA, A.; SYRKINA, I.

Plastic trays for meat chops. Mias.ind. SSSE 31 no.6:48 '60.

(MIRA 13:12)

(Meat industry—Equipment and supplies)

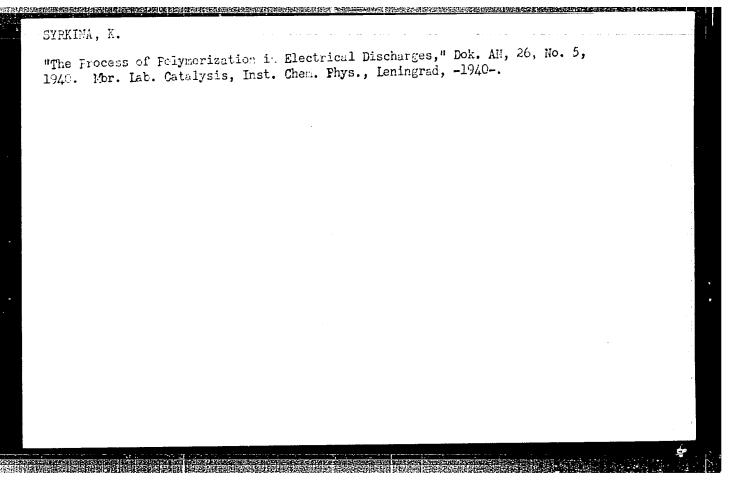
MARTYNOV, Yu.M.; SYRKINA, I.G.

Solubility of ferric chloride and antimony trichloride in CCl₄, SiCl₄, SnCl₄. Zhur.neorg.khim. 10 no.4:943-945 Ap '65. (MIRA 18:6)

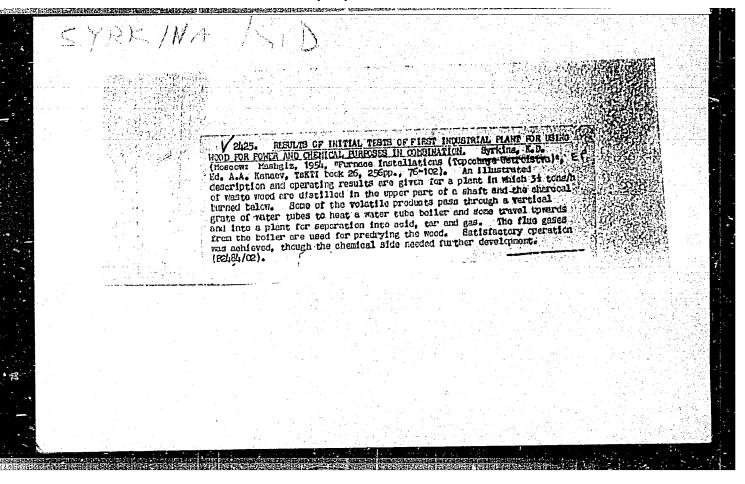
MARTINOV, Yu. M. y SYRKINA, I.G.

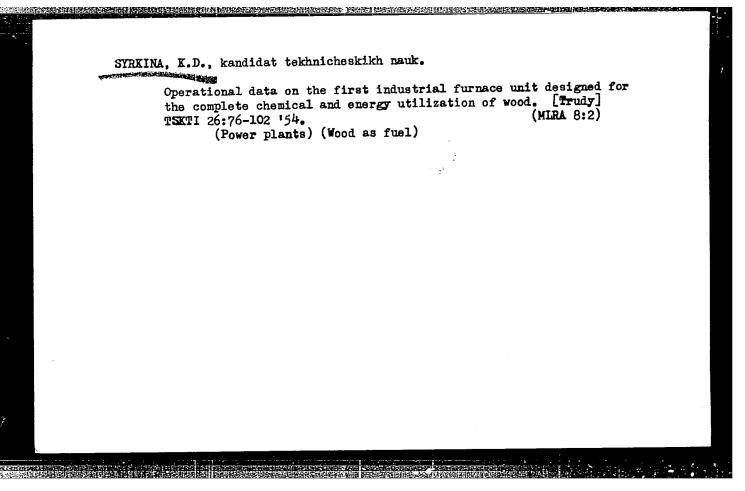
Relation between solubility and adsorption of partially soluble

Relation between solubility and adsorption of partially soluble substances in a nonelectrolyte solution. Zhur. fis. khim. 39 no.3: 584-587 Mr '65. (MIRA 18:7)



SYLLIC B, as a second control of Stillzing the Chemical Energy of Wood in the Furnate Manuscrip of the Juneau Scientific Research Boiler and Throthe Institute (Tentil) and Throthe Sai, Fernature and an energy and an energy manuscript (Asserted Manuscrip) (Asser





	714. EXPERIENCE WITH COMBINED STEAM GENERATION AND CHELICAL UTILIZATION OF MOOD WASTES. POWER antisov, V.V., Sirking, K.D., Liverovskii, A.A. and	<u> 4</u>
V V	possibilities of the application of this method in industry. The installation of the furness-gas producer unit for combined operation while slightly	i e e e e e e e e e e e e e e e e e e e
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KORCHUNOV, Yu.N.; SYRKINA, K.D.; TYUL'PANOV, R.S.

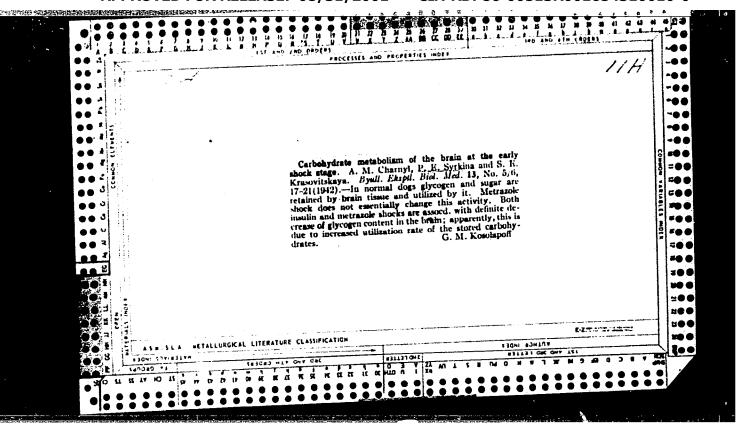
1. TSentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut.
(Gas producers)

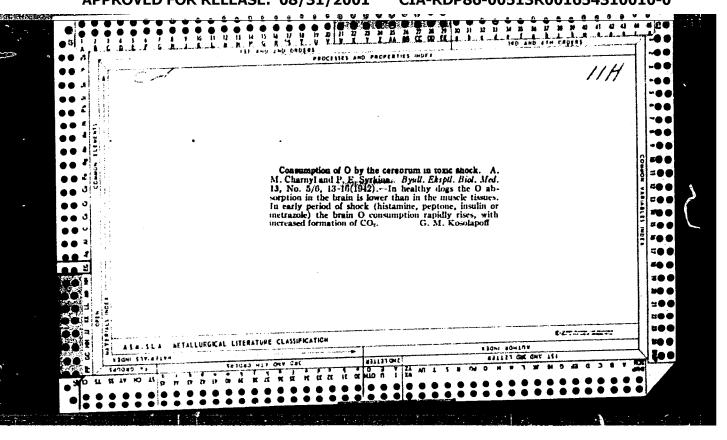
KATSNEL'SON, Boris Davidovich; KORCHUNOV, Yuriy Nikolayevich; LIVEROVSKIY, Aleksey Alekseyevich; FOITMANTSEV, Viktor Vladimirovich, doktor tekhn.nauk, prof.; Ministra, hseniya maitriyevna; TISHCHENKO, Dmitriy Vyacheslavovich,; TSATSKA, Elio Markovich; SHMULEVSKAYA, Esfir' Ionovna; FOMERANTSEV, V.V., red.; ZHITNIKOVA, O.S., tekhn. red.

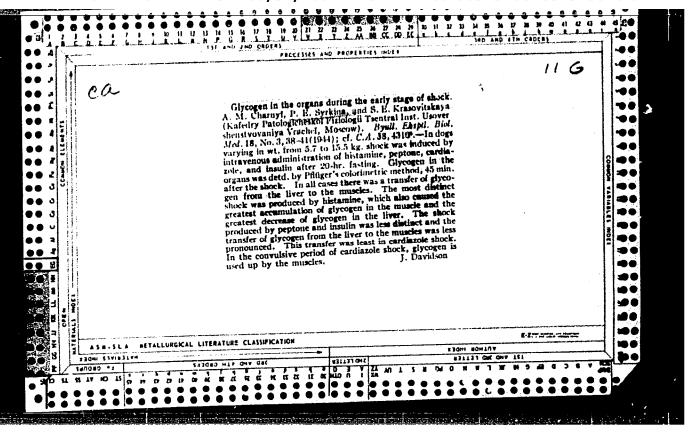
[Layer methods of the use of fuel as a source of power and chemicals]Sloevye metody energokhimicheskogo ispol'zovaniia toplit. [By] B.D.Katsnel'son i dr. Moskva, Gosenergoizdat, 1962.

186 p.

(Fuel) (Chemicals)







APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654310010-0"

SYRKIMA, F. YE.

"The Cure of Oxyhemoglobin Dissociation in Toxic Fever," Farmakol. i Toxicol.,
9, No. 4, 1946. Ch., Lab. Physiology, Central Inst. Advanced Training for Physicians, -1946

SYRKINA, P. YE.

USSR/Medicine - Shock
Medicine - Tissue, Respiration

Nov/Dec 1947

"The Question of the Amount of Oxygen Consumed by Tissues During the Early Stages of Shock," A. M. Charnyy, P. Ye. Syrkina, G. Ye. Syrkina, S. E. Krasovitskaya, Lab Pathol Physiol, Cent Inst for Improvement of Physicians, 6 pp

"Arkhiv Patolog" No 6

Studies conducted to determine three main points: 1) dynamics of oxygen and carbonic acid in subcutaneous gas bubbles in normal animals, 2) synamics of oxygen and carbonic acid during early stages of shock, and 3) amount of oxygen consumed by tissues during early stages of shock, following application of oxygen-poor mixture. Speed of duffusion of gas bubbles injected subcutaneously determined during various stages of shock. Submitted, 23 Nov 1947. Deputy of Laboratory: Prof A. M. Charnyy. Director of Institute: V. P. Lebedeva.

PA 53T68

SYRKINA, P. YE.

KRASOVITSKAYA, S.Ye.; SYRKINA, P.Ye.; SCHNITZER, I.S.; SHAPIRO, S.M.

Anoxia syndrome in hypertonia. Ter.arkh. 22 no.2:8-13 Mr-Ap '50. (CIML 19:3)

1. Of the Department for the Therapy of Internal Diseases (Head -- Prof. M.S. Vovsi, Major General Medical Gorps, Active Member of the Academy of Medical Sciences) and of the Department of Pathological Physiology (Head -- Prof. A.M. Charnyy), both of the Central Institute for the Advanced Training of Physicians.

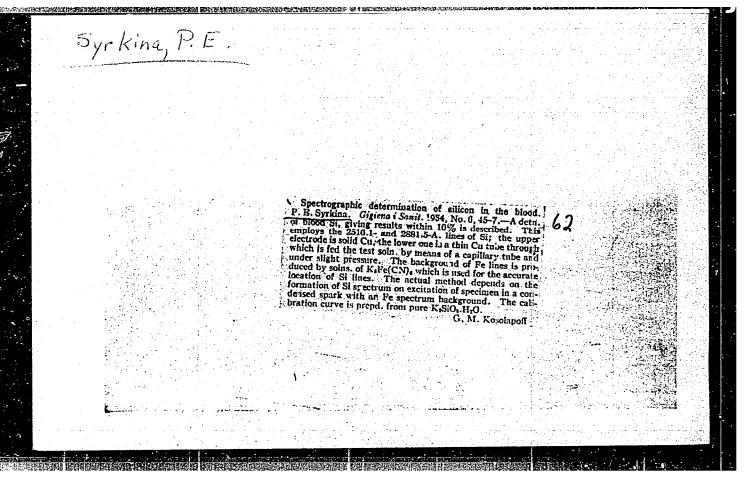
SYRKINA, P. Ye.

"Data on the Question of the Role of Anoxia in the Development of Toxic Pulmonary Edema." Sub 26 Jun 51, Central Inst for the Advanced Training of Physicians.

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Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55



Dissociation curves of exphemoglobin in certain occupational diseases of the lung. Terap. arkh. 26 no.3:67-73 My-Je '54.

(MIRA 7:9)

1. Iz kafedry patologicheskoy fiziologii (zav. prof. A.M.Charnyy) i kafedry professional nykh bolezney (zav. prof. S.M.Genkin) TSentral nogo instituta usovershenstvovaniya vrachey.

(HEMOGLOBIN

*oxyhemoglobin, dissociation curves in occup. pulm. dis.) (LUNGS, diseases,

*occup., oxyhemoglobin dissociation curves in)

(OCCUPATIONAL DISEASES,

*lung dis., oxyhemoglobin dissociation curves in)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654310010-0"

SYRKINA, P.Ye.

[Gas analysis in medical practice; a manual for clinicians and experimenters] Gazovyi analis v meditsinskoi praktike; posobte dlia klinitsistov i sksperimentatorov. Moskva, Medgiz, 1956.

(QASES—ANALYSIS) (PHYSIOLOGICAL CHEMISTRY)

(GASES—ANALYSIS) (PHYSIOLOGICAL CHEMISTRY)

	types of containe of plastics.		y no.4:108-119 (MIRA 14:12)	. Mil
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experi	electric anesthesia mental conditions and 156 '57. (ELECTRIC ANESTHES	Ill file amero	ly induced sleep under al clinic. Trudy 1-2 (MIRA 14:5)THERAPEUTIC USE)	or 30 MMI

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FA 17731

USSR/Medicine - Malaria Mey/Jun 1947
Medicine - Complement Fixation

"The Complement Fixation Reaction in Malaria," S. E. Sirkina, Sector of Experimental Malaria and Medical Protozoology of the Institute of Malaria and Medical Parasitology of the Academy of Medical Sciences, USSR, 6 pp

"Mediteinskaya Parazitologiya" No 3

Clinical data, with tabular presentation, to the effect that the largest number of positive reactions was noted in the investigation of serums received at the end of an attack, regardless of the presence of parasites in the blood.

17731

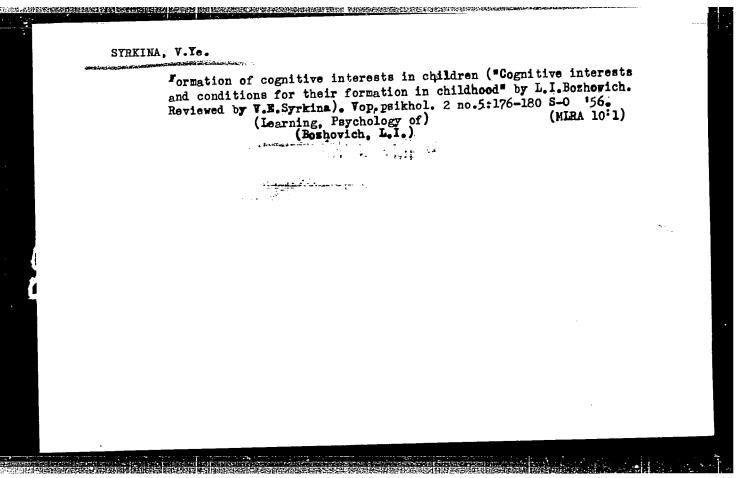
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654310010-0"

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SYRKINA, V.Ye.

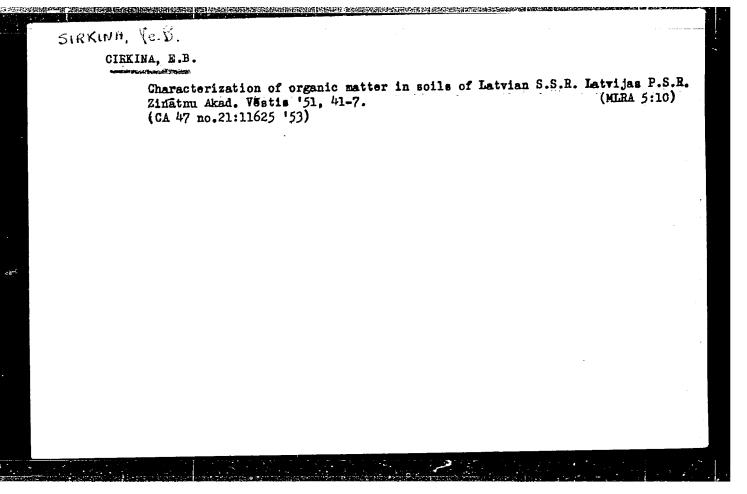
Factual data to support a psychology course. Vop. psikhol. 2 no.4:144-153 J1-Ag '56. (MLRA 9:10)

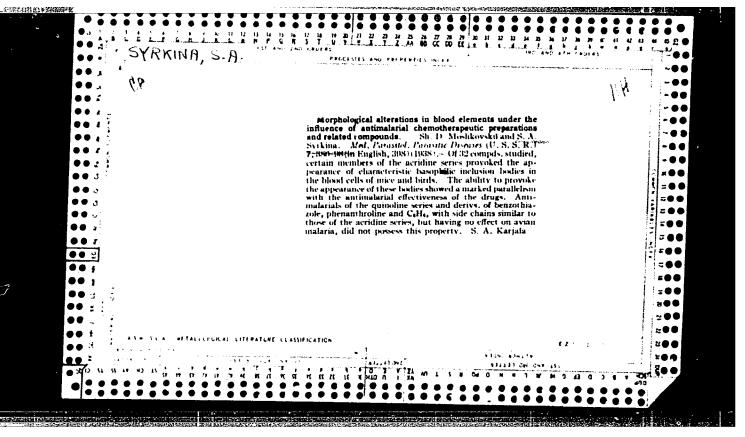
(Psychology -- Study and teaching)



CIRKINA R.B. A. Ye. D.

Mobile form of organic substances in the peats of the Latvian S.S.R. Latvijas P.S.R. Zinātma Akad. Vēstis '49, No.10, 59-63. (MLRA 4:1) (CA 47 no.21:11625 '53)





"Tests of the Antimalarial Effectiveness of Faludrine on Siskins and Lennets Infected With flasmodium relictum", Med. Paraz. i Faraz. Bolez., Vol. 17, No. 3, pp 231-33, 1948.

SYRKINA, S.A.

SI TOLUMBAN

Investigation of the effect of chemotherapy in sporozoite infections with Plasmodium gallinaceum. Med. paraz. i paraz. bol. 24 no.2:155-159 Ap-Je '55. (MLRA 8:10)

1. Iz sektora eksperimental noy malyarii i meditsinskoy protozoologii Instituta Malyarii, meditsinskoy parazitologii i gel mintologii Ministerstva zdravookhraneniya SSSR (dir. instituta - prof.
P.G.Sergiyev, zav. sektorom. - prof. Sh.D. Moshkovskiy)

(MALARIA, experimental,
gallinaceum. in chicks, eff. of antimalarials)

SYRKINA-KRYGLYAK, S.A.

A study on the antimalarial effect of some alkaloids in relation to Plasmodium gallinaceium and Plasmodium berghei. [with summary in English]. Med.paraz. i paraz.bol. 26 no.1:54-58 Ja-F '57.

(MLRA 10:6)

1. Iz otdela farmakologii Vsesoyuznogo nauchno-issledovatel skogo instituta lekarstvennykh i aromaticheskikh rasteniy (dir. instituta N.Ya.Itskov, zav. otdelom - prof. A.D.Turova)

(AIKALOIDS, eff.

Hydrangea hortensis, antimalarial eff.)

(ANTIMALARIAIS

Hydrangea hertensis alkaloids)

(PIANTS

Hydrangea hortensis alkaloids, antimalarial eff.)

VERMEL' Ye.M.; SYRKINA_KRUCLIAK, S.A.

Antineoplastic activity of the alkaloid febrifugin in experiments on gnimals. Vop. onk. 6 no.7:56-61 Je '60. (MIRA 14:4) (GYTOTOXIC DEUGS)

(GYTOTOXIC DEUGS)

(ANTIPYMETICS)

VERMEL', Ye.M.; SYRKINA-KRUGLYAK, S.A.

Contact method of selection of antineoplastic preparations (on cells of ascites tumors). Vop.onk. 7 no.8:73-82 161.

(MIRA 15:1)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta lekarstvennykh i aromaticheskikh rasteniy (dir. - D.Ya. Itskov). (CYTOTOXIC DRUGS)

ACC NR: AP6011418 SOURCE CODE: UR/0202/66/000/002/0035/0039

AUTHOR: Sukhanov, S.; Arustamova, M. V.; Syrkina, V. F.

28 R

ORG: Physico-Technical Institute, AN TurkmSSR (Fiziko-tekhnicheskiy institut

Turkmenskoy SSR)

TITLE: InSb magnetoresistive sensors

SOURCE: AN TurkmSSR. Izvestiya. Seriya fiziko-tekhnicheskikh, khimicheskikh

i geologicheskikh nauk, no. 2, 1966, 35-39

TOPIC TAGS: magnetoresistance, sensor, transducer

ABSTRACT: The results of an experimental investigation of five InSb magnetoresistive sensors of various sizes and shapes (disk, square, rectangle) are reported; temperature range +20+100C; supply, ac 1000 cps. A $\Delta \varphi/9_o = f(H)$ plot shows that the Carbineau disk has maximum resistance variation. A plot of

Card 1/2

UDC: 621.382.2

AP6011418

\$\Delta 9/9\$. vs. temperature is also shown. Some results are held doubtful because of possible specimen contamination in the course of the raster-making operation. It possible specimen contamination in the course of the raster-making operation. It possible specimen contamination in the course of the raster-making operation. It possible specimen contamination in the course of the raster specimen contamination in the course of the raster interval and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held raster interval, and (c) sharper raster face. Magnetoresistive sensors are held ra

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Vaynshteyn, B.I., Breger, A.Kh., S/064/59/000/07/002/035

Syrkus, N.P.

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TITLE:

Computation of a Radiation-chemical Apparatus With a Strong Gamma Radiation Source for the Oxidation of Benzene to Phenol

1180

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 7, pp 560-565 (USSR)

ABSTRACT:

A radiation-chemical process which could reach practical importance, is the direct oxidation of benzene to phenol with oxygen, in the presence of products of water radiolysis (Refs 1-3). Under certain technological conditions stated in the paper, this process becomes a chain reaction. The yield then amounts to 30-60 molecules per 100 ev absorbed energy. The technological scheme for carrying out this oxidation is described in publications (Ref 3). The authors of the present paper calculated the capacity of radiation-chemical apparatus of various constructions that work with intensive yerays. The computations were made for yerources from Co⁶⁰ preparations with a total activity of ~106 g-equivalent radium or from the fuel elements of a reactor, type VVR-Ts with a thermal power of 10 Mw. The capacity of such an apparatus is computed from

Card 1/3

Computation of a Radiation-chemical Apparatus With a Strong Gamma Radiation Source for the Oxidation of Benzene to Phenol

67783 s/064/59/000/07/002/035 B005/B123

the formula: Q = K $\frac{\text{wGM}}{N} \eta$ (Q = capacity of apparatus in kg per hour; K = coefficient considering the dimensions of the apparatus; w - dose rate of the source of Y-radiation in watts; G = radiation-chemical yield (number of molecules per 100 ev absorbed energy); M = molecular weight of the product in g/mol; N = Avogadro number; η efficiency of the radiation-chemical apparatus (proportion of dose rate of Y-radiation that is absorbed by the chemical system, to the dose rate that is supplied by the source). For phenol it results for G = 30: $Q = 1.05 \cdot 10^{-3} \text{w} \eta$. The computations made are described in detail. Detailed data of the construction of radiation-chemical apparatus and the optimum dimensions of the radiation source are given. Figure 1 shows schematic cross sections through some possible variants of a radiation-chemical apparatus for the oxidation of benzene to phenol. Table 1 gives the working characteristics for various variants of such radiation-chemical apparatus, where Co⁶⁰-preparations or the fuel elements of the

VVR-Ts reactor are used as radiation source. Table 2 shows the

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67783

Computation of a Radiation-chemical Apparatus With a Strong Gamma Radiation Source for the Oxidation of Benzene to Phenol

S/064/59/000/07/002/035 B005/B123

accessible doses of γ -radiation of a source consisting of all fuel elements of the VVR-Ts reactor. Table 3 shows the relations between the capacity Q and T = t (T = working time of the fuel elements in the reactor, t = time of cooling). According to calculations of the authors the yearly production of phenol in one of the apparatus described, with a radiation-chemical yield of G = 60 molecules per 100 ev in a reactor with the thermal power of 1000 Mw, amounts to about 10,000 t. In the present paper a previous article of the authors is referred to that was submitted to the konferentsiya po mirnomu ispol'zovaniyu atomnoy energii (Conference on the Peaceful Uses of Atomic Energy), held in Tashkent from September 28 to October 3, 1959. There are 8 figures, 3 tables, and 8 references, 7 of which are Soviet.

Card 3/3

AUTHORS:

Syrkus, N. P., Breger, A. Kh.,

S/064/59/000/08/001/021

Vaynshteyn, B. I.

TITLE:

The Fundamental Technological Characteristics of Apparatus for Carrying Out Radiochemical Processes (Mainly for the Polymerization

of Ethylene), on an Industrial Scale

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Wr 8, pp 647-652 (USSR)

ABSTRACT:

In the present paper the first attempt of a general consideration of the most important technological characteristics of a device for carrying out radiochemical processes is described by the example of a spherical apparatus. Besides, the technological characteristics of an apparatus used for radiochemical polymerization of ethylene were calculated. The efficiency of a spherical apparatus with a radius r and a monochromatic gamma radiation point source in the center of the sphere with an energy of q curies was calculated, and a formula was deduced. The method used to determine the energy of the absorbed gamma rays was employed for calculation which had been suggested at the Conference for the Peaceful Uses of Atomic Energy in Tashkent from September 28 to October 3, 1959. A diagram of the dependence of the function $(1 - E)_{V}$.

Card 1/3

The Fundamental Technological Characteristics of Apparatus for Carrying Out Radiochemical Processes (Mainly for the Polymerization of Ethylene) on an Industrial Scale

S/064/59/000/08/001/021 B115/B017

2.5) is given (Fig 1), where ε is a constant which depends on the conditions of the process (0 \le ε <1), γ the factor of the electron transformation, $\mathcal{K}(\gamma r, \varepsilon) = \int_{\varepsilon}^{\varepsilon} \exp\left[-(1-\varepsilon)\gamma \cdot \varsigma\right] \varsigma^{2\varepsilon} \cdot d\varsigma$ with ς

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the distance of any point in the apparatus from the center, z=(1-E) and $\alpha=2E+1$. In the following also the efficiency of an infinitely large apparatus $(Q\infty)$ with the same radiation source is computed. Also formulas for the computation of the specific efficiency and for the computation of the radius of the spherical layer is deduced. The energetic and the material useful coefficient for the apparatus given were computed, and it was found that in general the energetic useful coefficient is no unambiguous criterion for the efficiency of the apparatus. The technological characteristics of a cylindrical apparatus for radiochemical polymerization of ethylene (with Co^{60} as central radiation source) at 200 atm and 25° were then calculated. Diagrams of the distribution of the activity of the radiation dose in the apparatus (Fig 2), of the dependence of efficiency of the polymerisation apparatus with

Card 2/3

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The Fundamental Technological Characteristics of Apparatus for Carrying out Radiochemical Processes (Mainly for the Polymerization of Ethylene) on an Industrial Scale

S/064/59/000/08/001/021 B115/B017

gamma-ray sources of different relative activity (with respect to 1=11,500 curie Co^{60}) on the radius of the apparatus (Fig 3), of the specific and weight efficiency of the apparatus (Fig 4), and of the distribution of the useful factor in the apparatus (Fig 5) are mentioned. The curves in figure 5 show that the apparatus for radiochemical polymerization of ethylene under given polymerization conditions can be computed from the mean values of dose activity $\mathcal{M}_{0.app}$ and that the method can be employed also for apparatus used for other radiochemical processes. The dependence of the efficiency of the apparatus on the full activity of the gamma radiation source \mathbf{W}_0 under exactly constant conditions is mathematically proven. There are 5 figures and 9 references, 6 of which are Soviet.

Card 3/3

BREGER, A.Kh.: Prinimeli.uchastiye: VAYNSHTEYN, B.I.; SYRKUS, N.P.;
RYABUKHIN, Yu.S.; KOZLOV, V.A. KAHPOV, V.L., red.; TARAKHOVSKAYA,
N.K., red.; YAZLOVSKAYA, E., tekhn.red.

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[Nuclear radiation sources and their application to radiochemical processes] Istochniki iadernykh izluchenii i ikh primenenie v radiatsionno-khimicheskikh protsessakh. Pod red. V.L.
Karpova. Moskva, Vses.in-t nauchn.i tekhn.informatsii, 1960.

(MIRA 13:10)

(Radiation) (Radiochemistry)

SYRKUS, N.P

PHASE I BOOK EXPLOITATION SCV/5410

lang maskaya konferentsiya po mirnomu ispol'zovaniyu atomnoy caergii, Tashkent, 1959.

Specificating Agency: Akademiya nauk Uzbekskoy SSR.

Rescassible Ed.: S. V. Starodubtsev, Academician, Academy of Sciences Uzbek SSR. Editorial Board: A. A. Abdullayev, Candidate of Physics and Mathematics; D. M. Abduraculov, Dector of Medical Sciences; U. A. Arifov, Academician, Academy of Sciences Uzbek SSR; A. A. Borodulina, Candidate of Biological Sciences; V. N. Ivashev; G. S. Ikramova; A. Ye. Kiv; Ye. H. Abbanov, Candidate of Physics and Mathematics; A. I. Nikolayev, Candidate of Medical Sciences; D. Machanov, Candidate of Chemical Sciences; A. S. Sadykov, Corresponding Mamber, Academy of Sciences Uzbek SSR; Yu. N. Talanin,

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Tranzactions of the Tashkent (Cont.)

SOV/5410

176

Candidate of Physics and Mathematics; Ya. Kn. Turakulov, Doctor of Diological Sciences. Ed.: R. I. Khamidov; Tech. Ed.: A. G. Babakhanova.

PUBLICE: The publication is intended for scientific workers and probabilists employed in enterprises where radicactive isotopes and nuclear radiation are used for research in chemical, geological, and technological fields.

coverage: This collection of 133 articles represents the second volume of the Cransactions of the Tashkent Conference on the Franchi Uses of Atomic Fnergy. The individual articles deal with a wide range of problems in the field of nuclear radiation, including; production and chemical analysis of radioactive isotopes; investigation of the kinetics of chemical reactions by means of isotopes; application of spectral analysis for the manufacturing of radioactive preparations; radioactive methods for determining the content of elements in the rocks; and an analysis of methods for obtaining pure substances. Gertain

Card 2/20

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Transactions of the Tashkent (Cont.)

Instruments used, such as automatic regulators, flowmeters, level funges, and high-sensitivity garma-relays, are described. Solve and incompalities are mentioned. References follow individual articles.

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Taksar, I. M., and V. A. Yanushkovskiy [Institut fiziki AN Latv SSR - Institute of Physics AS Latvian SSR]. Problems of the Radioactive Isotopes

(Card 3/20)

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DEBUIE CONTROL OF THE STATE OF SYRKUS, N.P. 3151,5 27. 2490 2220 5/081/61/000/022/004/076 B102/B108 21.5250 Breger, A. Kh., Vaynshteyn, B. I., Guzey, L. S., AUTHORS: Ryabukhin, Yu. S., Syrkus, N. P. Gamma-radiation absorption in macrosystems TITLE: Referativnyy zhurnal. Khimiya, no. 22, 1961, 37, abstract PERIODICAL: 22B254 (Tr. Tashkentsk. konferentsii po mirn. ispol'zovaniyu atomn. energii. Tashkent, AN UzSSR, v. 2, 1960, 123-132) TEXT: The gamma radiation energy absorbed by an object is determined as the difference between the \gamma-radiation energy flux from the source and 7-energy flux passing through the object's surface. An accumulation factor for the energy flux and a useful coefficient of the source with respect to γ -radiation are defined. The energy from $\text{Co}^{60}(\sim 2\text{ g-equ. Ra})$ absorbed by the object was measured by means of a chemical dosimeter - a ferrosulfate solution filled into volumes of various shapes. The y-radiation energy flux was also measured by the ferrosulfate method. It was shown that if the source was placed in the center of a cylinder the absorbed energy is twice as high as that when the source is located at the Card 1/2

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bottom plane of a cylinder which is half as high. The accumulation factors were calculated by comparing the experimental and theoretical results without taking multiple scattering into account. y-radiation absorption in volumes of complex shape was studied at various positions of the sources. [Abstracter's note: Complete translation.]

Card 2/2

STANDERS STANDERS AND STREET OF THE STANDERS AND STANDERS	time series, in which dosinatric solutions were located in cylindrical continues at the different medit. In a copie twis, which was fitted to the cylinder attain, in practice different medit. In a copie twis, while we select from the cylinder attains as a fitted of a mare graphically different of paints in the relation of \$5.00 fell, which the relation of \$5.00 fell with the relation of \$5.00 fell, while the cofficient of the linear wastening of the years not only the cofficient of the linear wastening of the years not only the associate of \$5.00 fell with the fell of the cofficient of the linear wastening of the second of \$5.00 fell with the fell of the second of \$5.00 fell with the fell of the second of the absorbed energy blue has penalty end eight of the absorbed energy blue has penalty in preferring this work. There is a figure and it is referenced. The subject of the absorbed energy flux this fell of preferring this work. There are 4 figures and it referenced. Soften in preferring this work. There are 4 figures and it referenced. Soften in preferring this work. There are 4 figures and it is referenced. Soften in preferring this work. There are 4 figures and it is those (Soften iii) because it, 1959, by V. A. Kargle, Academician. Charletty is and it, 1959, by V. A. Kargle, Academician. Charletty is an in it, 1959, by V. A. Kargle, Academician.	
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PETROV, N.A., red.; PETRENKO, L.I., red.; SAVITSKIY, P.S., red.; SINITSIN, V.I., red.; KOLOTYRKIN, Ya.M., red.; SYRKIS N.P., red.; ROMM, R.F., red.; ANTYSHEV, P.I., red.; VARTAZAROV, S.Ya., red.; ZAYTSEV, A.I., red.; ZEZYULINSKIY, V.M., red.; ZEDGINIDZE, G.A., red.; MARTYNKIN, F.F., red.; ROGACHEV, V.I., red.; SLATINSKIY, red.; MARTYNKIN, F.F., red.; ROGACHEV, V.I., red.; SLATINSKIY, A.N., red.; LEVINA, Ye.S., vedushchiy red.; TITSKAYA, B.F., vedushchiy red.; PERSHINA, Ye.G., vedushchiy red.; MUKHINA, E.A., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Transactions of the Conference on the Introduction of Radioactive Isotopes and Nuclear Radiation into the National Economy of the U.S.S.R.] Trudy Vsesoiuznogo soveshchaniia po vnedreniiu radio-aktivnykh izotopov i iadernykh izluchenii v narodnoe khoziaistvo sSSR. Pod red. N.A.Petrova, L.I.Petrenko i P.S.Savitskogo. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.l. [General aspects of isotope applications. Instruments with sources of radioactive radiation. Radiation chemistry. Chemical and petroleum refining industry]

(Continued on next card)

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PETROV, N.A. --- (continued) Card 2.

Obshchie voprosy primeneniia izotopov. Pribory s istochnikami radioaktivnykh izluchenii. Radiatsionnaia khimiia. Khimicheskaia i neftepererabatyvaiushchaia promyshlennost¹. 1961. 340 p. Vol.2. [Construction and the industry of construction materials. Light industry. Food industry and agriculture.

Medicinel Stroitel stvo i promyshlennost stroitel nykh materialov. Legkaia promyshlennost¹. Pishchevaia promyshlennost¹ i sel skoe khoziaistvo. Meditsina. 1961. 267 p.

(MIRA 14:4)

1. Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnoye khozyaystvo SSSR. Riga, 1960.

(Radioisotopes) (Radiation)

Vaccoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnoye khozysystvo SSSR. Riga, 1960.

APPROVED that ASE: v 0843th/2004 Obshehive vorces princeneniys
izotopov, pribory s istochnikami radioaktivnyth linedes 6,0051340001654310010-0
izotopov, pribory s istochnikami radioaktivnyth linedes 6,0051340001654310010-0
khimiya, khimicheekaya i neftepererabatyvayushchaya promyshlennost (Radiokhimiya, khimicheekaya

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii.

Ed. (Title page): N.A. Fetrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitsin, Ya. M. Kolotyrkin, N.P. Syrkus and R.F. Romm; Executive Eds.: Ye. S. Levina and B. F. Titskaya; Tech. Ed.: E.A. Mukhina.

Card 1/12

137

Radioactive Isotopes (Cont.)

sov/5486

PURPOSE: The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

COVERAGE: An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles. Card 2/12

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SYRKUS, N. \$/081/62/000/009/019/075 B158/B101 Topchiyev, A. V., Polak, L. S., Chernyak, N. Ya., Glushnev, V. Ye., Glazunov, P. Ya., Vereshchinskiy, I. V., Syrkus, N. P., Breger, A. Kh., Vaynshteyn, B. I. 5.4600 AUTHORS: . Radiation-heat cracking of hydrocarbons TITLE: PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1962, 74 - 75, abstract 9B513 (Sb. "Radioakt. izotopy i kädern. izlucheniya' v nar. kh-ve SSSR. v. I". N., Gostoptekhizdat, 1961, 206-210)-TEXT: The low overall yield of radiolysis products from hydrocarbons at room temperature points to the absence of a chain reaction at that temperature. To examine the possibilities of a chain reaction in radiations cracking, n-heptane was irradiated by ${\rm Co}^{60}$ (-rays at high temperatures.) The samples were irradiated in 15 ml bulbs made of molybdenum glass with a wall thickness of ~1 mm. The amount of liquid heptane was 0.25 ml and the pressure in the ampoules on vaporization 2.5 T/273 atm. To prevent local preheating of the walls, the bulb was rotated twice a second. The Card 1/2

| S/081/62/000/009/019/075 | Radiation-heat cracking of hydrocarbons | B158/B101

radiation done output calculated on 1 ml of liquid n-heptane was 2.10¹³

Mev/sec. It is shown that radiation-heat cracking of n-heptane occurs at
considerably lower temperatures than purely thermal cracking which needs
a temperature of ~500°C. The yield of liquid unsaturated hydrocarbons
from radiation-heat cracking increases from 1.8 at room temperature to
340 at 450°C. The total radiation-chemical yield of low molecular hydro-

carbons is 2000 at 400°C, being therefore ×10° times as great compared with the radiation-chemical yield of the same products at 20°C. By combining the radiation effect with temperature it is possible to obtain products which offer industrial interest at levels of yield which would be acceptable in practice. Possible sources of radiation for radiation-heat cracking are considered. [Abstracter's note: Complete translation.]

Card 2/2

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VAYNSHTEYN, B.I.; BRECER, A.Kh.; SYRKUS, N.P.

Spent fuel elements as sources of gamma rays in radiochemical apparatus. Khim.prom. no.9:651-652 S '62. (MIRA 15:11) (Gamma rays) (Radiochemistry)

S/138/62/000/012/009/010 A051/A126

AUTHORS:

Khozak, V. K., Vaynshteyn, B. I., Breger, A. Kh., Kaplunov, M. Ya.,

Syrkus, N. P.

TITLE:

Calculations of a radio-chemical equipment emitter for tire vulcanization using gamma radiation of spent heat-emitting sectors from

a nuclear energy reactor .

PERIODICAL: Kauchuk i rezina, no. 12, 1962, 26 - 29

TEXT: Physical calculations were carried out on an emitter for radio-vulcanization of tires, using as the gamma source spent heat-emitting sectors, TBC (TVS), of a nuclear energy reactor. The efficiency coefficient (e.c.) of the 7-emitter is about 1% (at self-absorption in TVS - 60%). The use of various heat-emitting elements instead of TVS increases the equipment output by about 5 times. Using the TVS as the gamma source, which is the "waste product" of the reactor, increases the economic efficiency of the nuclear energy reactor. The calculations are based on the use of the TVS in the nuclear energy reactor with a thermal power of 760 Mw. The emitter chosen consisted of surfaces composed

Card 1/2

Calculations of a radio-chemical equipment...

S/138/62/000/012/009/010 A051/A126

of TVS. Over a period of 180 days, the average activity of the emitter was found to be $\sim 10^7$ g equiv. radium. Mathematical calculations showed that at a permissible non-uniformity of the field of dosages of +15%, the ratio of the average absorbed dosage for the characteristic points to the lowest dosage absorbed is $\frac{\text{Daver}}{\text{Dmin}} = 1.10 \div 1.15$. The average power of the absorbed dosage during the working time of one series of TVS (180 days) was found to be 170 rad/sec. Calculations using heat-emitting elements as gamma source formed in the disassembly of the TVS showed that in this case the e.c. for gamma emission can be increased by about 5 times which is explained by the considerable drop on the self-absorption of the gamma-emitting sources. There are 5 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti i nauchno-issledovatel'skiy fiziko-khimicheskiy institut im. L. Ya. Karpova (Scientific Research Institute of the Tire Industry and Scientific and Research Physico-Chemical Institute, im. L. Ya. Karpov)

Card 2/2

KARPOV, V.L.; BREGER, A.Kh.; YEROSHOV, M.Ye.; DROZDOV, V.Ye.; LISOV, G.N.; STOYENKO, S.G.; TORGOVITSKIY, D.M.; VAYNSHTEYN, B.I.; SYRKUS, N.P.

Large-scale radiation-chemistry plant with irradiator made from spent nuclear fuels. Atom. energ. 15 no.4:302-308 0 '63. (MIRA 16:10)

SYRKUS N.P.

L 12421-63

EWT(m)/BDS AFFTC/ASD

ACCESSION NR: AP3001414

5/0020/63/150/004/0866/0869

63 57

AUTHOR: Breger. A. Kh.; El*tekov, V. A.; Terent*yev, B. M.; Vaynshteyn, B. I.; Cyrkus, N. P.; Krasnoshchekova, N. A.; Osipov, V. P.; Gol*din, V. A.

TITLE: Absorption of Gamma-radiation energy in macrosystems.

SOURCE: AN SSSR. Hoklady, v. 150, no. 4, 1963, 866-869

TOPIC TAGS: absorption of energy of Gamma-radiation, Type K-60000 apparatus

ABSTRACT: The energy coefficient of net efficiency of Gamma-radiation, and the value of the cumulative factor of integral current capacity of Gamma-radiation were determined for model apparatus of heat exchanger and tubular, still-type pipe. These determinations were obtained by three non-related methods: statistical method of investigation by an electronic computer, experimental method, and calculation by a semiempirical method. The results based on 300 samples are quire representative. The life span of a single quantum for the heat exchanger was found to be 4 sec. and for the still-type pipe, it was 2 sec. Calculations were also made for other values of energy coefficients of net efficiency. The integral absorption capacity for the given models were determined experimentally by ferrosulfate dosimetry method. The satisfactory agreement of the results

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L 12421-63

ACCESSION NR: AP3001414

with all three methods confirms the validity of the program and the methods of calculation. A possibility exists for a tangible method of solution of the problem for an optimum construction of an apparatus and the optimum number and activity of the radiation source. "The authors express their gratitude to Voropayev, Yu. V., Ratov, A. B., Kasatkin, V. M., Kalmy*kova, Ye. D., and Shalyapin, N. K. for their help in conducting the experiments on the type K-60000 unit, as well as to Golenko, D. I. for a number of useful hints in programming this work. Orig. art. has: 2 tables, 2 graphs and 1 figure.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-Chemical Institute)

SURMITTED: 03May62

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 008

OTHER: 000

Card 2/2

SYRKUS, N.P.

Effect of irradiation techniques on the effectiveness of radiation—
chemical processes. Dokl. AN SSSR 152 no.5:1185-1188 0 '63.

(MIRA 16:12)

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1. Fiziko-khimicheskiy institut im. L.Ya.Karpova. Predstavleno akademikom S.S.Medvedevym.

ACCESSION NR: AP4012181

s/0191/64/000/002/0003/0006

HORS: Abkin, A. D.; Auer, A. L.; Breger, A. Kh.; Vaynshteyn, B. I.; Voropayev, Yu. V.; Gol'din, V. A.; Gromov, V. F.; Osipov, V. B.; Sy*rkus, N. P.; Ushakov, V. D.; Khomikovskiy, P. M.; Tsingister, V. A.; Chikin, Yu. A.

TITLE: Radiation polymerization of ethylene in enlarged laboratory apparatus.

SOURCE: Plasticheskiye massy*, no. 2, 1964, 3-6

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TOPIC TAGS: ethylene, radiation polymerization, reactor design, reactor surface area, reaction rate, polymer yield, reactor temperature field

ABSTRACT: Radiation polymerization of ethylene was conducted in laboratory reactors of 1-2 liter capacity (fig. 1 & 2). Based on tolerances admitted in this work, it was found that the temperature field can be calculated with sufficient accuracy. Comparison of reaction rates and yield of ethylene polymer shows that these factors are independent of the specific surface of the reaction space. Thus

Card 1/4

ACCESSION NR: AP4012181

ercial scale apparatus can be designed by estimating the prorate and yield dependence on pressure, temperature and dosage the without concern for specific surface area of the reactor. orig. art. has: 1 Table and 5 Figures

ASSOCIATION: None

SUBMITTED: 00 DATE AUQ: 26Feb64 ENOL: 02

SUB CODE: MA NR REF SOV: 005 OTHER: 003

Card 2/#2_

AP4017164

s/0138/64/000/002/0020/0025

CRS: Knozak, V. K.; Vaynshteyn, B. I.; Krasnoshchekova, N. A.; Breger, A. Kau;

Design of a setup for radiation vulcanization of tires with the use of Cool

200000 Kauchuk 1 rezina, no. 2, 1984, 20-25

MOPTO EMBS: radiation vulcanization, tire vulcanization, cobalt 60, Gamma modification, biplanar radiator, efficiency

DESCRIPTION: The authors have designed three variants of a setup to effect redistion ulcomization of tires (260-20 and 6.70-15) with Co⁶⁰ Gamma radiation. The variants were: 1) a setup with one biplanar radiator of constant size (130 x 150 cm. 40 cm apart); 2) a setup with one biplanar radiator of different size for each (time as 1 for the 260-20 tire; 100 x 160 cm, 40 cm apart for the 6.70-15 tire); and 5) a setup with two biplanar radiators of constant size for each (the size of 1 for the 260-20 tire; the size of the second radiator in 2 for the 6.70-15 tire). The efficiency of each variant was computed according to the formula 1 = 100 Wabs 4

Care 1/2

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654310010-0 可以不是我们的社会,我们就是我们就是我们的,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是这个人,我们就是我们的人,我们就是这个人,我们就是这个

ACCHISTION NR: AP4017164

the power of the gamma-ray source and Wmin . P wd (P is the minimal ad radiation dose, v is the volume of the irradiated object, and d is the of the irradiated object). The efficiency of all three variants for the 20 tire proved to be 2.8. For the 6.70-15 tire, the efficiency of the first riant was 0.7, for the second and third, 1.3. The authors' computations have shown that for the duration of vulcanization adopted (22 hours for the 260-20 tire and 19 hours for the 6,70-15 tire), it was necessary to have a radiator with a total activity of ~100 gram-equive outs of radium. The use of a press form of aluminum alloy with walls no thicker than 15 mm permitted the productivity of the setur (with the activity indicated) to be almost doubled. Orig. art. has: 1 figure, 1 table, and 2 formulas.

ASSECIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im. L. Ya. Karpova (Scientific Research Physical-Chemical Institute); Nauchno-issledovatel'siy institut shinnoy promy*shlennosti (Scientific Research Institute of the Tire Industry)

SUBMITTED: 00

DATE ACQ: 23Mar64

ENCL: 00

SUB CODE: MA

NO REF SOV: 005

OTHER: 002

Card 2/2

Some rad:	Some engineering and physical problems in the development of radiochemical apparatus. Khim. prom. no.2:134-141 F '64. (MIRA 17:9)				

AVERBUKH, B.S.; ABRAMOVA, L.V.; BREGER, A.KH.; VAYNSHTEYN, B.I.; GOL'DIN, V.A.; KOCHESHKOV, K.A.; SYRKUS, N.P.; SHALYAPIN, N.K.; SHEVERDINA, N.I.

Determination of the optimum conditions for the reaction of radiation-chemical synthesis of dibutyltin dibromide. Zhur. fiz. khim. 38 no.10: 2445-2448 0 '64.

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.

ALSHINBAYEV, M.R.; AMELIN, V.P.; ANDRIANOVA, O.V.; GASIYEV, Zh.;

DEGRAF, G.A.; INKAREKOV, A.B.; KOLOMYTSEV, I.V.; KOLTUSHKIN,
I.S.; MALAKHOV, V.P.; MONASTYRSKIY, A.O.; REZNIKOV, B.N.;
SAKHAROV, I.V.; SENNIK, V.K.; SOSNIN, V.A.; SURKO, V.I.:
SURKOV, Ye.P.; SYRLYBAYEV, S.N.; USIKOV, N.V.; UCHAYEV, A.F.;
SHESTOPALOV, Ye.V.; SHERMAN, R., red.; GOROKHOV, L., tekhn.

公共元中的19年3月1日日本的19年3月1日日本的19年3日日本的19年3日日本的19年3日本的19年3日本的19年3日本的19年3日本的19年3日本的19年3日本日本的19年3日本日本

[Study manual for a machinery operator] Uchebnik-spravochnik mekhanizatora. Alma-Ata, Kazsel'khozgiz, 1963. 326 p. (MIRA 16:12)

1. Alma-Ata, Kazakhskiy gosudarstvennyy sel'skokhozyaystvennyy institut. Fakul'tet mekhanizatsii. 2. Sotrudniki fakul'teta mekhanizatsii Kazakhskogo gosudarstvennogo sel'skoteta mekhanizatsii Kazakhskogo gosudarstvennogo sel'skokhozyaystvennogo instituta (for all ecxept Sherman, Gorokhov). (Agricultural machinery)

SYRLYBAYEVA, M.N.

USSR / Human and Animal Morphology (Normal and Pathological). Lymphatic System.

hbs Jour

: Ref Zhur - Biol, No 21, 1958, No 97119

Syrlybayeve H.N.

Author Inst

Title

On the Topography of the Lymphatic System of the Serous : Not given

Membranes of the Human Heart.

Orig Pub

: Zdravookhr. Kazakhstana, 1958, No. 4, 54-62

Abstract

75 complexes of the organs of the thoracic cavity of humans in the ages from 15-80 years were studied. It was shown that in serous membranes of the heart there is a dense, in some places single and in others double, network of lymph vessels (LV). Anastamoses are discovered between both networks of LV clong the entire length of the epicardium (E) and pericardium (P). From the network of LV of E and P, efferent velvular and nonvalvular LV form. From E of the ventricles, the lymph

Card 1/2

56

..... right and left tracheobronchial, and pretrached conglomerates of LN. In E of auricles, LM do not exist. Regional LM for E of auricles are bifurcate and right tracheobronchial LN of the right and

APPROVED FOR RELEASE 10 68731 2061 and Live on the walls of superior and inferior vene cave. From 1, Rymph 110ws 13R001654310010-0" numerous LV. Regional LN for P are LN, located along

the tracheobronchial tree, as well as LN of the enterior and posterior mediastinum.

GINZBURG, I.; SYRMAY, A.

Ways to reduce ship repair costs. Mor.flot 7 no.10:29-32 0 '47.

(MIRA 9:6)

(Ships--Maintenance and repair)(Merchant marine--Cost of operation)

SYRMAY, A.

PA 30^T92

USSR/Ships - Construction Shipbuilding

这些人,我们就是这种的,我们就是这个人,我们就是一个人,我们就是我们的人,我们就是我们的人,我们就是这个人,我们就是这个人,我们就是这个人,我们就是这个人,我们

Oct 1947

"Regulating the Organization of Production," A. Syrmay, Engr, 42 pp

"Morskoy Flot" No 10

For a more orderly organization of production as the determining factor in normal production of a plant, the following measures must be considered: 1) classification of plants, 2) receiving and preparation of orders, 3) preparation of production, 4) graphic accounting of work, 5) operational planning.

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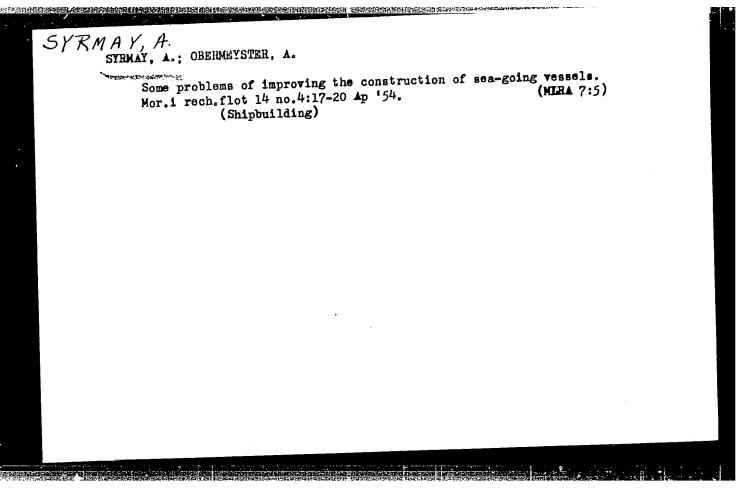
30T92

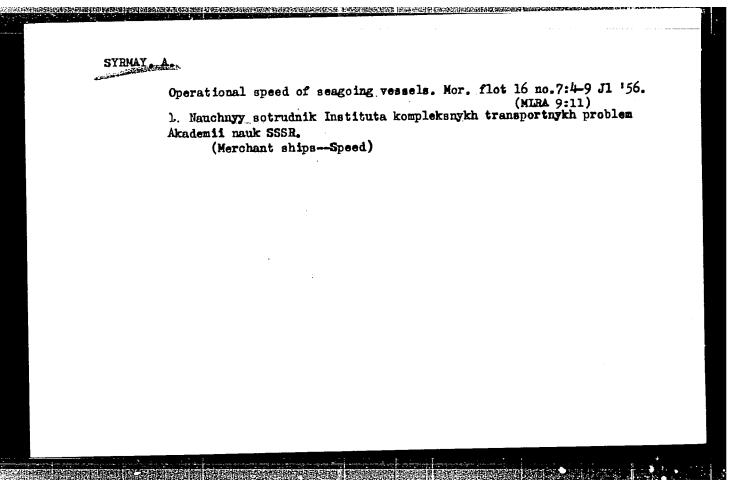
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USSR/Engir Shipp	eering ingDevelopment		Apr 48	
"Notes on	Russian Techniques	," A. Syrmay	, Engr, 4 pp	
"Morskoy H	Flot" No 4			
techniques	wo articles dealing. Presents brief advances made by Seconds.	historical a	ccount of	
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USSR/Engineering May 48 Shipping	Miserael Estate Art Annual Communication Annual Communication (Communication)	
"Notes on Russian Techniques," A. Syrmay,		
Engr,7 pp "Morskoy Flot" No 5		
Conclusion of an article begun in issue No 4. Gives various improvements in shipping broughtabout by Russian effort.		
FDB 1/49726		

。 "我们就是我们的对象的方式。"第一个人,我们们就是我们的人,我们们就是我们的人,我们们们们的人,我们们们们们们们们是一个人,我们们们们们们们们们们们们们们们们

PA 33/49T53 SYRMAY, A. Nov 48 USSR/Engineering Ships, Repair Ships, Repair Equipment "Regulating Technological Discipline -- The Urgent Task of Ship Repair Enterprises," A. Syrmay, Engr, 4 pp "Morskoy Flot" Vol VIII, No 11 Stresses importance of comprehensive preparation before making repairs on ships. Lists examples where operations had to be terminated due to inefficient pre-repair planning. Suggests greater use of advanced repair techniques. 33/49753 FDB





的人,但是我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是这个人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是

AUTHOR

SYRMAY A.

PA - 2734

TITLE

Atomic Energy in Transport. (Institute for Complex Transport Problems,

Academy of Sciences of the USSR)

(Atomnaya energiya na transporte.(v istitute kompleksnykh transportnykh

problem AN SSSR) -Russiam)

PERIODICAL

Atomnaia Emergiia, 1957, Vol 2, Nr 4, pp 395-395, (U.S.S.R.)

Received 5/1957

Reviewed 6/1957

ABSTRACT

In 1955-56 this Institute began with the investigation of those problems which are connected with the construction of atomic power reactors for purposes of transport. The most important problem here is the development of reactors which satisfy the aggravated conditions characterizing the field of transport. The above Institute carried out technological-economic computations on the appropriate computation of atomic ocean vessels with a tonnage of lo,000 to 12,000 tons for general freight and with a tonnage of 25,000 to 30,000 tons for oil and oil products. Two variations of atomic power reactors were investigated: steam turbines and gas turbines. A diagram shows the data of the net cost of the transport of oil and oil products for different types of power reactors-tanker with operation by oil (lubricating oil?), tankers with atomic drive and gas turbine with a performance degree (η) of the device of 0.3 to 0.4. At equal net costs of the transport, the speed of a tanker with gas-turbine atomic power reactor is almost twice as high than the speed of a steamturbine tanker with operation by oil. If we have to select the method with the lowest net costs we see the following: The net costs for a ves-

Card 1/2

ASSOCIATION

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SYRMAY, A.G. Prinimali uchastiye. ZHURILOV, V.I., mlad. nauchnyy sotr.;

KANTOROVICH, Ya.B., kand. tekhn. nauk, retsenzent; VORONOV, Ye.K., glav. ekonomist, retsenzent; OBERMEYSTER, A.M., otv. red.; DOBSHITS, M.L., red. izd-va; SUSHKOVA, L.A., tekhn. red.

[Method of deciding upon the running speed and carrying capacity of seagoing vessels] Metodika obosnovaniia skorosti khoda i gruzopod seanosti morskikh sudov. Moskva, Izd-vo Akad. nauk SSSR, 1961. 50 p. (MIRA 14:11)

1. Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'-skiy institut morskogo transporta Ministerstva morskogo flota SSSR (for Voronov). 2. Institut kompleksnykh transportnykh problem AN SSSR (for Zhurilov).

(Naval architecture)

SYRMAY, A.G., nauchnyy sotr.; OBERMEYSTER, A.M., nauchnyy sotr.;

ERONFMAN, A.I., nauchnyy sotr.; SHIMKO, K.N., kand. tekhn.
nauk; PARAKHONSKIY, B.M., kand. ekon. nauk. Prinimali uchastiye: ZHURILOV, V.I., nauchnyy sotr.; ZUBKOV, M.I., nauchnyy
sotr.; SHVARTS, G.L., nauchnyy sotr.; MIKHEYEV, A.P., doktor
tekhn. nauk, prof., otv. red.; BYKOV, I.K., red. izd-va;
DOROKHINA, I., tekhn. red.

[Water and air transportation in capitalist countries: transport kapitathe development of equipment | Vodnyi i vozdushnyi transport kapitalisticheskikh stran; tendentsii razvitiia tekhnicheskikh sredstv. Moskva, Izd-vo Akad.nauk SSSR, 1961. 350 p. (MIRA 15:1)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh problem.

(Merchant marine) (Aeronautics, Commercial)

S/193/61/000/003/007/009/ A004/A101

AUTHOR:

Syrmay, A. G.

TITLE:

New marine means of transportation and their development prospects

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 3, 1961, 59 - 61

TEXT: In his survey on naval transportation the author mentions the new hydrofoil crafts attaining a speed of 100 km/h. According to the author it is intended to build a considerable number of these craft carrying 100, 300 and 450 passengers. Moreover, he cites two new types of seacraft, transportation submarines and ships moving on an air cushion. He mentions that the former are better suited for the transportation of liquid cargos than surface crafts and points out that the latter are able to attain a speed of 200 km/h. Concerning fuel and power installations the author states that the future development can be divided into two stages. The first stage of about 10 years will see the fullconversion of all naval power installations to liquid fuel. During this period the most widespread type of marine power plant will be the two-stroke low-speed diesel engine with gas turbine pressure charging directly coupled to the propeller shafts and having a power of 20.000 - 25.000 hp each. The author presents some basic

Card 1/2

CIA-RDP86-00513R001654310010-0

S/193/61/000/003/007/009 A004/A101

New marine means of transportation and their ...

technical data on small-dimensioned marine engines: cylindric power - 2.000 -2.500 bhp; specific fuel consumption - 145 - 150 g/bhp.h; mean effective pressure - 9:5 - 10.5 kg/cm²; relative weight - 40 - 50 kg/bhp; cylinder diameter - 800 - 900 mm; piston stroke - 1.700 - 1.800 mm; rpm - 110 - 115. According to the author steam-turbine power plants will be used only for power ranges exceeding 25.000 - 30.000 hp where they have certain advantages in comparison with diesel installations. Within the next five to ten years economical gas-turbine marine engines will be produced operating on liquid fuels or atomic propellants. Simultaneously prospective research work is being carried out in the field of direct conversion of chemical or atomic energy into electric power. The overall automation of navigation will make it possible to reduce the crew of ships considerably. The author states that the reconstruction of the naval transport fleet which will be carried out during the next years will make it possible to increase the tonnage of the tanker fleet by 30 - 35% and that of the dry-goods fleet by 45 - 50%, while the labor productivity of the floating stock will increase 2 - 2.5 times. [Abstractor's note: The whole article under the abovementioned title runs from page 56 to 61. According to request the abstract comprises only the last three paragraphs of page 59 as well as page 60 and 61]. There is 1 figure.

Card 2/2

YERMAKOV, Andrey Pavlovich; SYRMAY, Anatoliy Germanovich; KLYAUS, Ye.M., red.izd-va; POLENOVA, T.V., tekhn.red.

[Atomic energy and transportation] Atomnaia energiia i transport. Moskva, Izd-vo AN SSSR, 1963. 149 p. (MIRA 16:11)

(Transportation, Atomic-powered)

大学的现在分词是一个人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人的人,我们就是一个人的人,我们就是一个人的人,也可以不是一

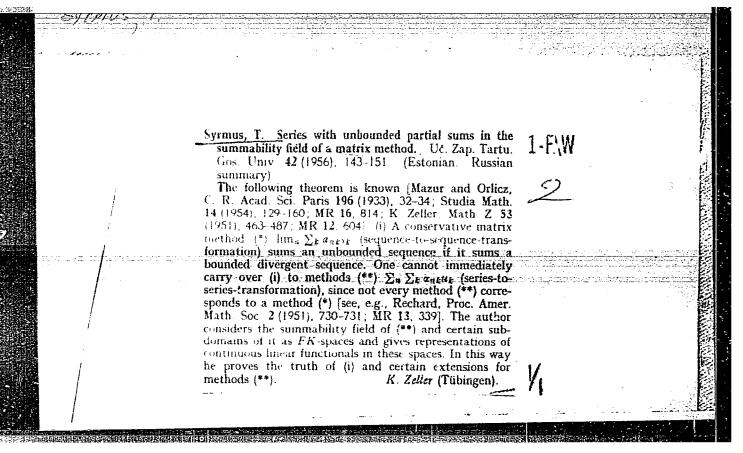
STARSHOV, I.M.; SYRMOLAYEVA, G.P.

Catalytic effect of metals on coking in the pyrolysis of propane. Nefteper. i neftekhim. no.2:26-29 164.

(MIRA 17:8)

1. Kazanskiy khimiko-tekhnologicheskiy institut im. S.M. Kirova.

ជួលជនជនស ALMANIA CATEGORY ABS. JOUR. : RZBlol., do. 3 1959, No. 10195 AUTHOR Syrmon, E., Marica, D., Deac, I. INST. TITLE The Finding of R-Forms of Streptococci in Strangles of Horses ORIG. PUb. : Probl. mostenn. Si veterin., 1958, No 4, 30-33 TDARTERA No abstract. CARD: 1/1



SYRMUS, T. [Sormus, T.]

Some generalizations of Mercer's theorem for double sequences. Resti tead.akad.tehn.fuus. no.1237-49 162.

1. Tartuskiy gosudarstvennyy universitet.

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SYRMUS, T. [Sormus, T.]

A generalized Mercerian theorem. Eesti tead akad tehn fuus 11 no.2:99-106 '62.

1. Tartuskiy gosudarstvennyy universitet.